

### **Abstract of the Invention**

An apparatus for monitoring the medical condition of a patient, including a monitoring device which during use monitors one or more clinical features of the patient;  
5 a predictive instrument arranged to receive output from the monitoring device and programmed to compute a probability of a medical outcome or diagnosis based on the monitored one or more clinical features, the predictive instrument further programmed to compute that probability by executing an algorithm which models the medical outcome or diagnosis; and an interface through which a user enters information characterizing the  
10 patient, wherein the predictive instrument is further programmed to request that algorithm from a remote location.

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